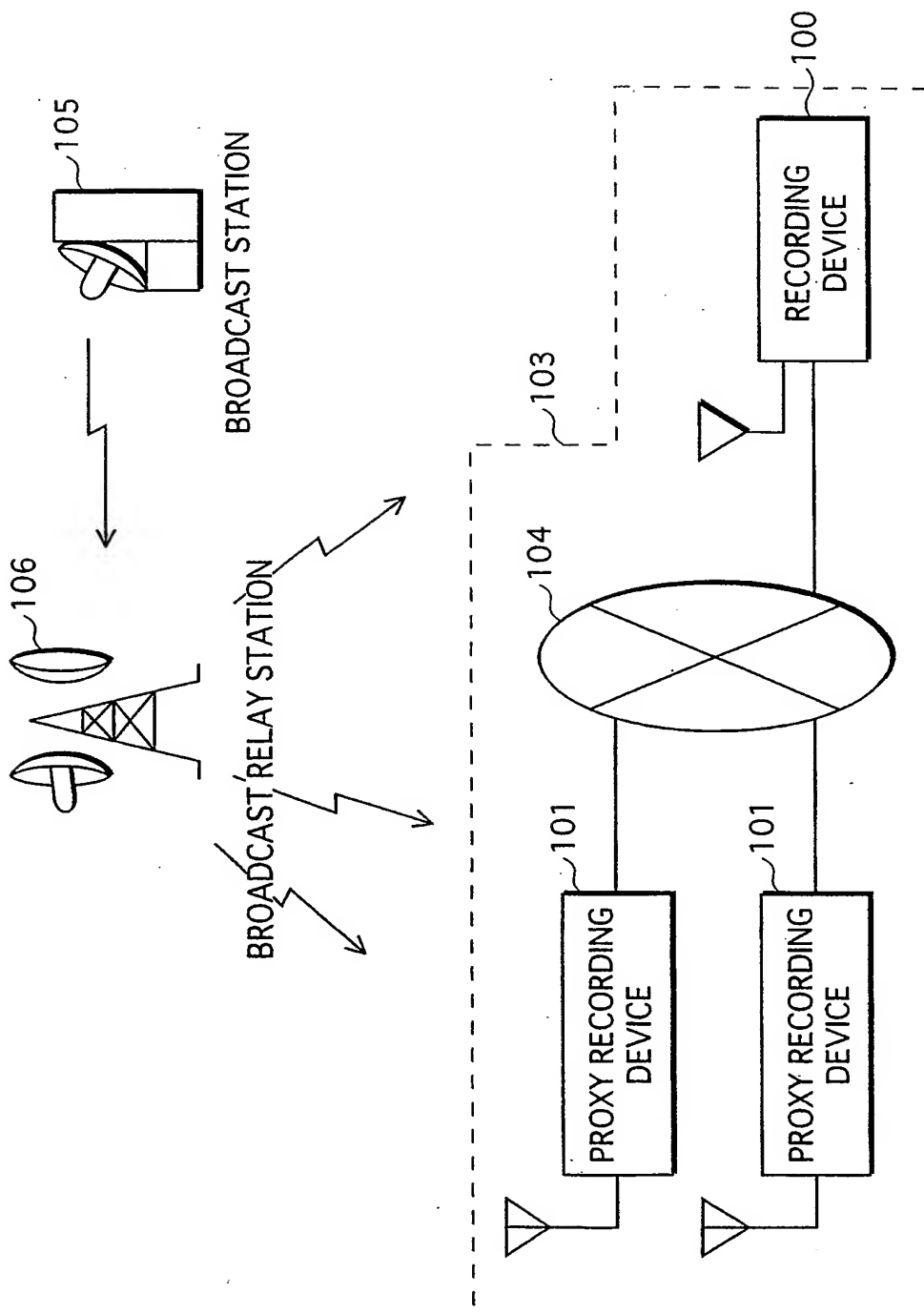
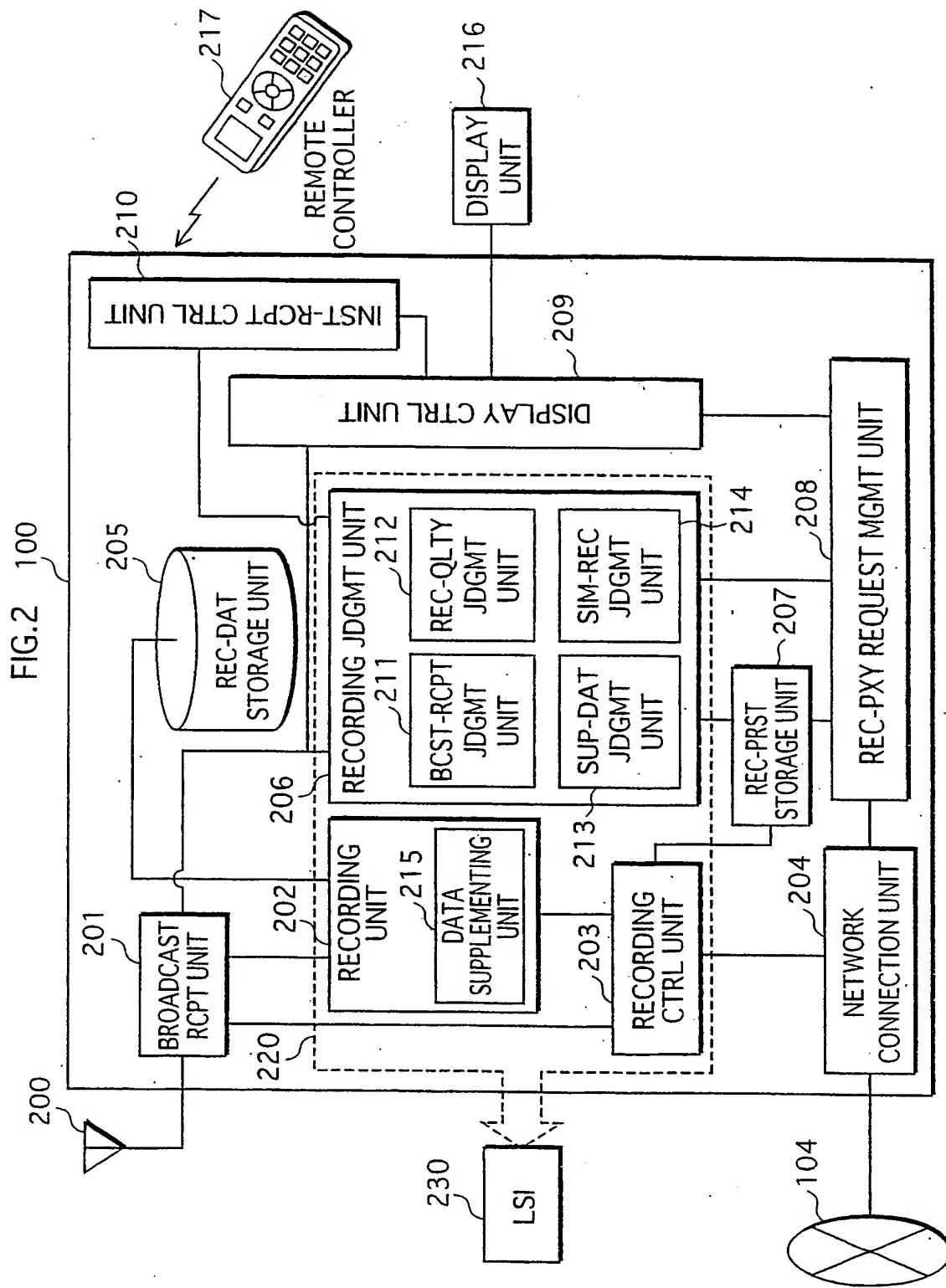


FIG.1





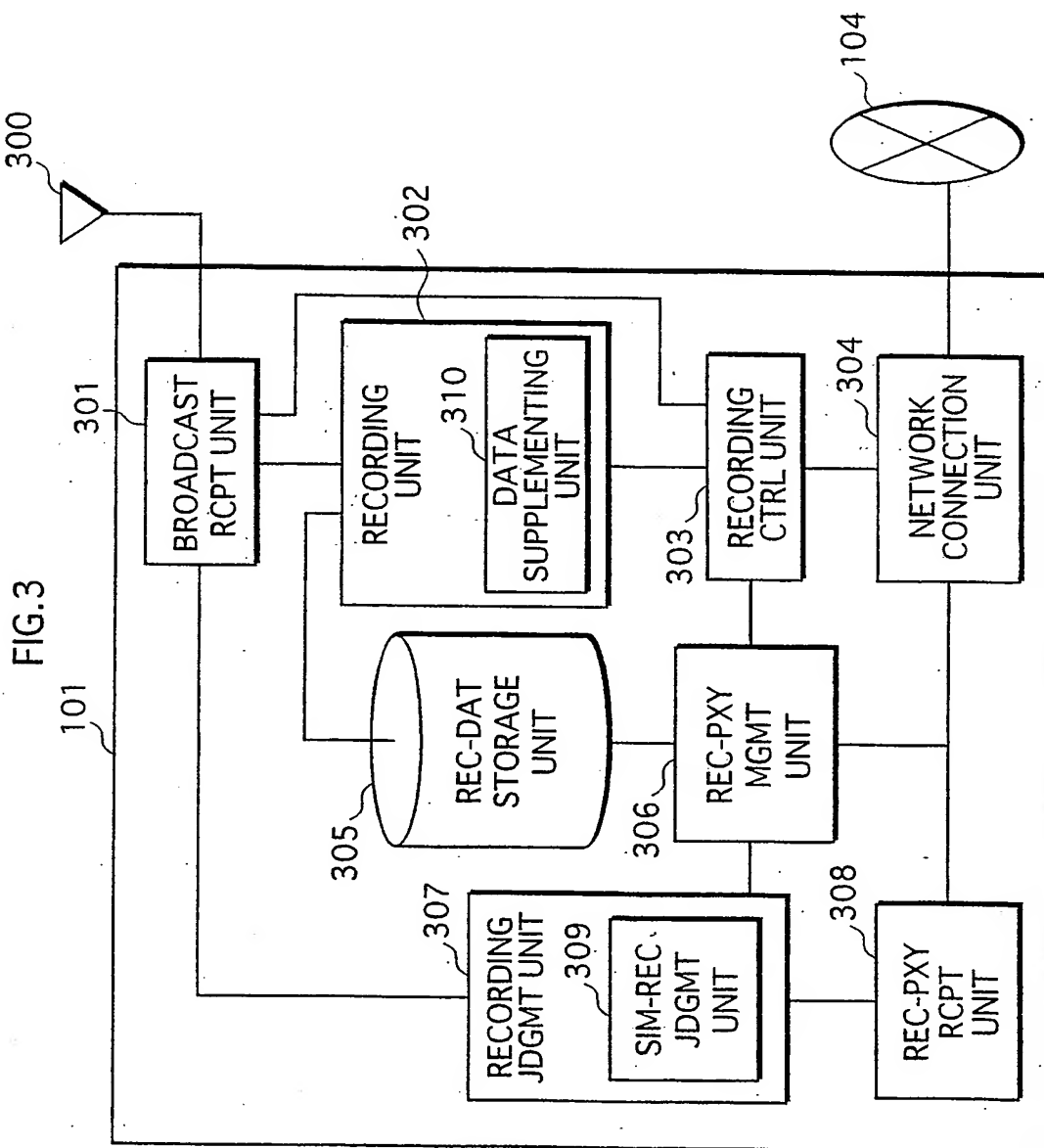


FIG.4

400 PROGRAM TABLE	401	402	403	404
PROGRAM ID	GLOBAL CH. ID	START DATE-TIME	END DATE-TIME	
:	:	:	:	:
021230047012000	04701	2002/12/30 20:00	2002/12/30 20:53	
021230047012053	04701	2002/12/30 20:53	2002/12/30 21:00	
:	:	:	:	
021230089022000	08902	2002/12/30 20:00	2002/12/30 20:53	
021230089022053	08902	2002/12/30 20:53	2002/12/30 21:00	
021230089042000	08904	2002/12/30 20:00	2002/12/30 20:30	
:	:	:	:	

FIG.5

500 CHANNEL INFORMATION TABLE

501		502	503		504
RECEIVABLE CH. REGION ID 47 (YOKOHAMA/KAWASAKI)	GLOBAL CH. ID		RECEIVABLE CH. REGION ID 89 (OSAKA)	GLOBAL CH. ID	
1	04701		2	08902	
3	04702		4	08904	
4	04703		6	08906	
6	04706		8	08908	
8	04708		10	08910	
10	04710		12	08912	
12	04712		19	08919	
42	04742		34	08934	
46	04746		36	08936	

FIG.6

600 RECORDING CAPABILITY TABLE

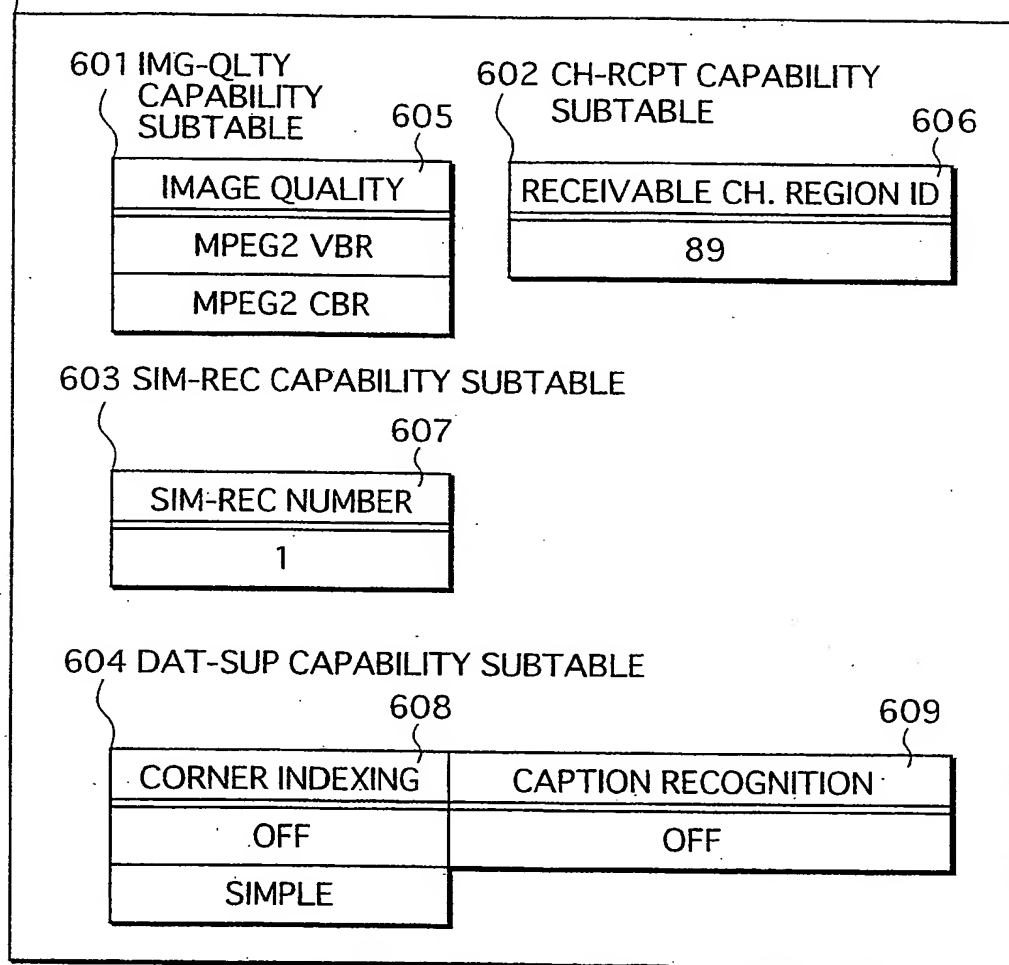


FIG.7

700 CRN-INDX CLASS. MASTER TABLE

ID	CORNER INDEXING
1	OFF
2	SIMPLE
3	ADVANCED
:	:

FIG.8

800 CPT-RECOG CLASS. MASTER TABLE

ID	CAPTION RECOGNITION
1	OFF
2	SIMPLE
3	ADVANCED
:	:

FIG.9

900 IMG-QLTY CLASS. MASTER TABLE

ID	IMAGE QUALITY
1	MPEG2 VBR
2	MPEG2 CBR
3	MPEG4
4	MPEG4 AVC
5	MPEG2 VBR(HQ)
:	:

FIG.10

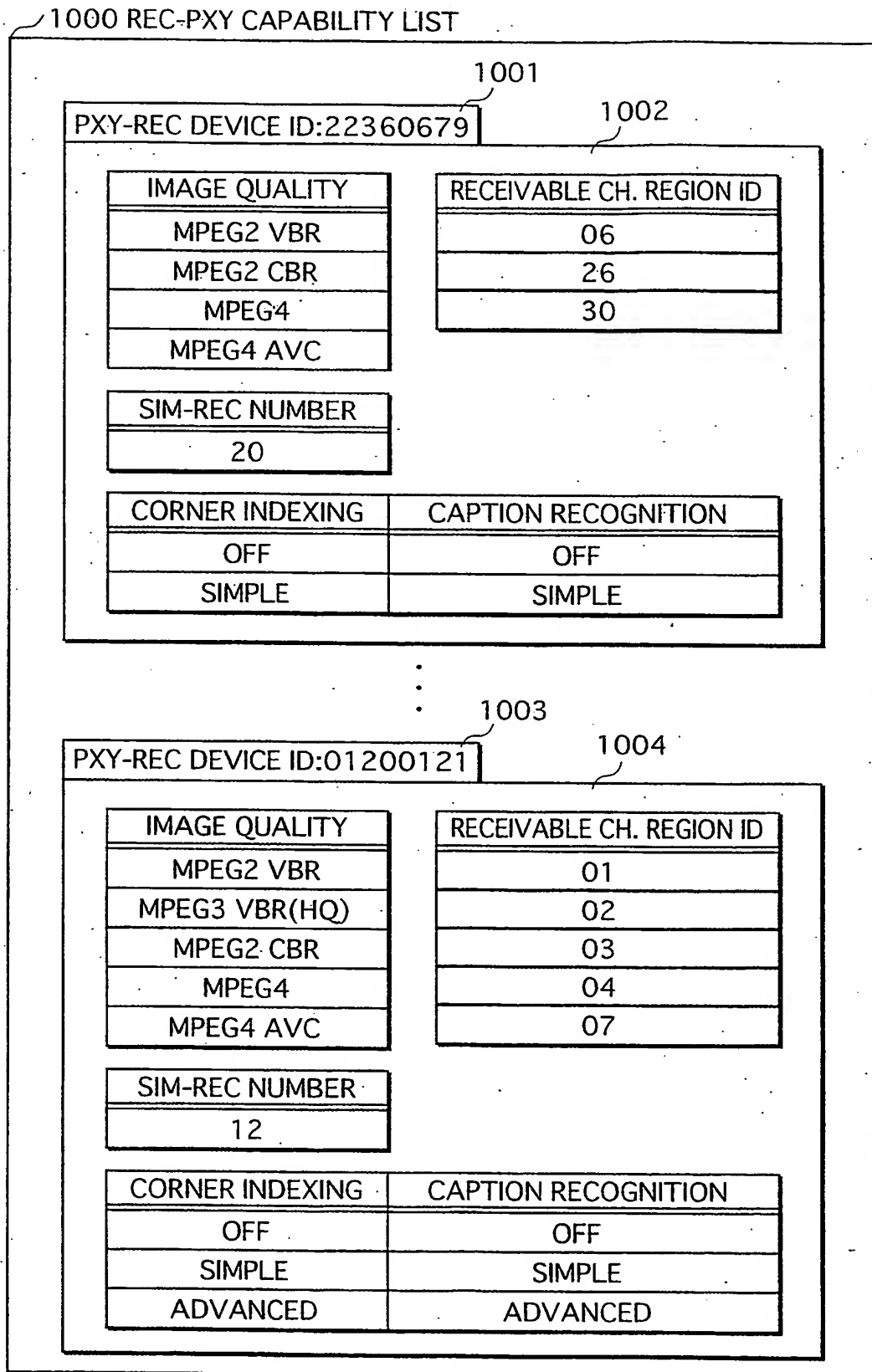


FIG.11

1100 RECORD PRESETTING CONTENT				
1101		1102	1103	1104
PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY DATA		
021230089022000	MPEG2 CBR	CORNER INDEXING	CAPTION RECOGNITION	
		SIMPLE	OFF	

FIG.12

1200 RECORD PRESETTING LIST			
1201		1202	1203 1204
PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY DATA	
		CORNER INDEXING	CAPTION RECOGNITION
:	:	:	:
021230089022000	MPEG2 CBR	SIMPLE	OFF
021230089022053	MPEG4	OFF	SIMPLE
:	:	:	:

FIG.13

1300 REC-PXY REQUEST ACCEPTANCE LIST					
1301		1302	1303	1304	1305
PROGRAM ID	PXY-MGMT ID	PXY-REC DEVICE ID	IMAGE QUALITY	CORNER INDEXING	SUPPLEMENTARY DATA
:	:	:	:	:	CAPTION RECOGNITION
021230047012000	0987654321ab	22360679	MPEG2 CBR	ADVANCED	OFF
021230047012053	0987654321ad	01200121	MPEG4	OFF	SIMPLE
:	:	:	:	:	:

FIG.14

1400 RECORDING DATA ACQUISITION LIST					
1401		1402		1403	1404
PROGRAM ID	PXY-MGMT ID		PXY-REC DEVICE ID	IMAGE QUALITY	1405
	021230047012000		22360679	MPEG2 CBR	
	:		:	:	
				1406	
			SUPPLEMENTARY DATA		
			CORNER INDEXING	CAPTION RECOGNITION	
			ADVANCED	OFF	
			:	:	:

FIG.15

1500 RECORDING PROXY CAPABILITY TABLE

1501 IMG-QLTY CAPABILITY SUBTABLE

IMAGE QUALITY
MPEG2 VBR
MPEG2 CBR
MPEG4
MPEG4 AVC

1502 CH-RCPT CAPABILITY SUBTABLE

RECEIVABLE CH. REGION ID
06
26
30

1503 SIM-REC CAPABILITY SUBTABLE

SIM-REC NUMBER
20

1504 DAT-SUP CAPABILITY SUBTABLE

CORNER INDEXING	CAPTION RECOGNITION
OFF	OFF
SIMPLE	SIMPLE

FIG.16

1600 RECORDING-PROXY REQUEST MANAGEMENT TABLE

1601 PXY-MGMT ID	1602 PXY-REC DEVICE ID	1603 PROGRAM ID	1604 IMAGE QUALITY	1605 CORNER INDEXING	1606 SUPPLEMENTARY DATA CAPTION RECOGNITION
:	:	:	:	:	:
0987654321ab	012345678	021230089062000	MPEG2 CBR	SIMPLE	OFF
0987654321ac	173205081	021226047011700	MPEG4	SIMPLE	OFF
0987654321ad	314159265	021231089062123	MPEG2 VBR	ADVANCED	ADVANCED
:	:	:	:	:	:

FIG.17

1703 USER MANAGEMENT TABLE

PXY-REC DEVICE ID	1700		1701		1702	
	USAGE-AGREEMENT CONTENT		PXY-HIST INFO.			
	COURSE	LIMIT	COUNT	TIME	DATA VOL.	
:	:	:	:	:	:	:
012345678	DATA VOL. LIMIT	20Gb	4	2 HR 45 MIN	1.8G	
173205081	USAGE-COUNT LIMIT	30 TIMES	6	5 HR 40 MIN	6Gb	
:	:		:	:	:	:

FIG.18

1800 USAGE-AGREEMENT MASTER TABLE		
1801		1803
COURSE	LIMIT	COURSE CONTENT
FLAT RATE	NONE	UNLIMITED USAGE
TIME LIMIT	10 HRS	USAGE POSS. UP TO TIME LIMIT
	20 HRS	
	30 HRS	
USAGE-COUNT LIMIT	10 TIMES	USAGE POSS. UP TO COUNT LIMIT
	20 TIMES	
	30 TIMES	
DATA VOL. LIMIT	10Gb	USAGE POSS. UP TO DATA VOL. LIMIT
	20Gb	
	30Gb	
PAY-BY-USAGE	NONE	PAY BY NO. OF USAGES
PAY-BY-TIME	NONE	PAY BY TIME PERIOD USED
PAY-BY-VOLUME	NONE	PAY BY VOL. OF RECORDED DATA
:	:	:

FIG.19

1900 RECORDING DATA MANAGEMENT TABLE

1901		1902	1903	1904	1905	1906
REC-DAT MGMT NAME	PROGRAM ID	IMAGE QUALITY	SUPPLEMENTARY/DATA		STORAGE ADDRESS	
			CORNER INDEXING	CAPTION RECOGNITION		
:	:	:	:	:	:	:
021230089062000_M2v_CO_T0.mpg	021230089062000	MPEG2 VBR	ADVANCED	OFF	xxx.yyy.zzz/RecDATA/...	
021230089062123_M2v_CO_T2.mpg	021230089062123	MPEG2 VBR	OFF	ADVANCED	xxx.yyy.zzz/RecDATA/...	
:	:	:	:	:	:	:

FIG.20

2000 RECORDING DATA ACQUISITION LIST		
2001	2002	2003
REC-DAT MGMT NAME	PXY-MGMT ID	PXY-REC DEVICE ID
:	:	:
021230089062000_M2v_C2_TO.mpg	0987654321ab	012345678
021230089062123_M2v_C0_TO.mpg	0987654321ad	314159265
:	:	:

FIG.21

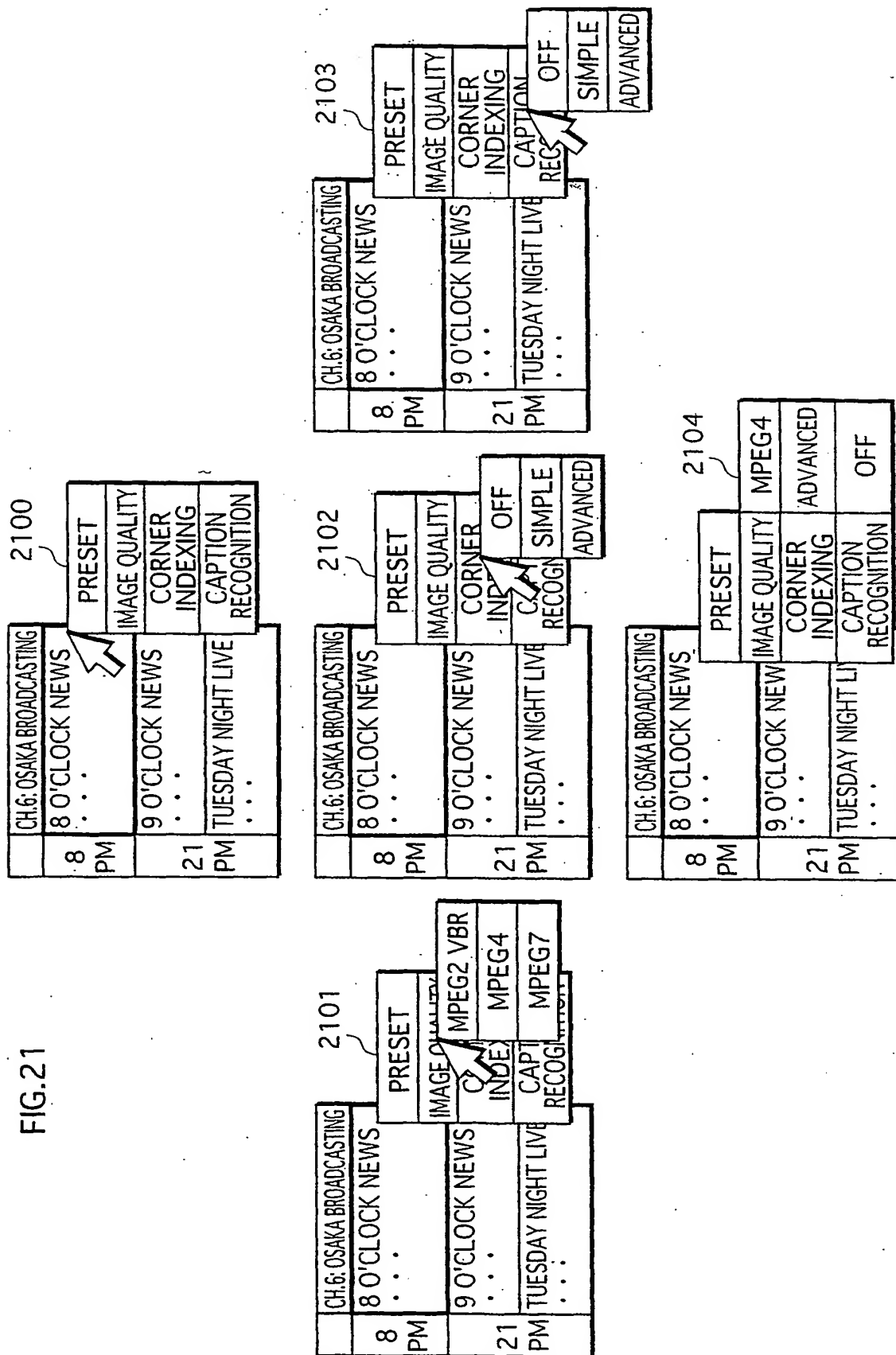


FIG.22

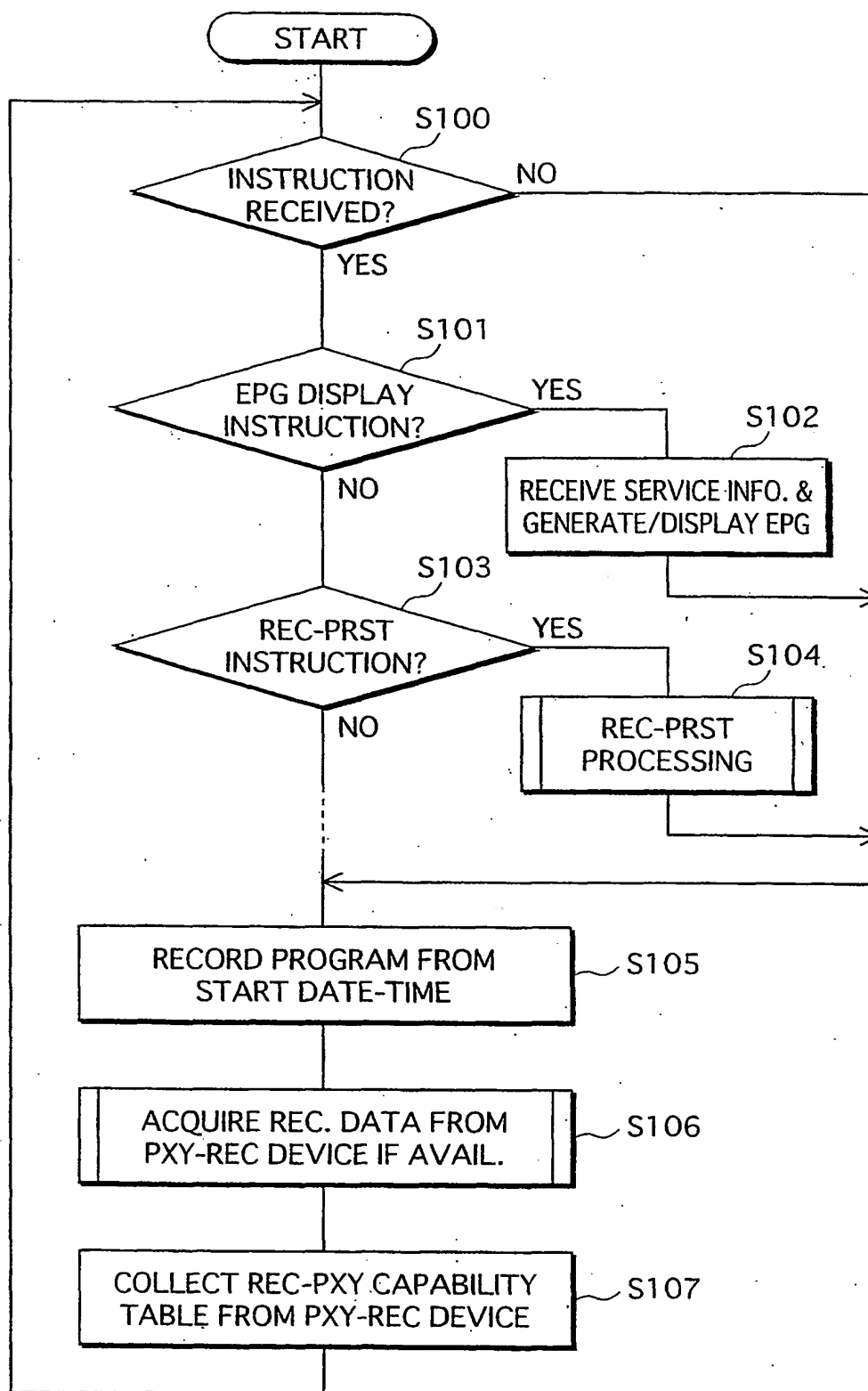


FIG.23

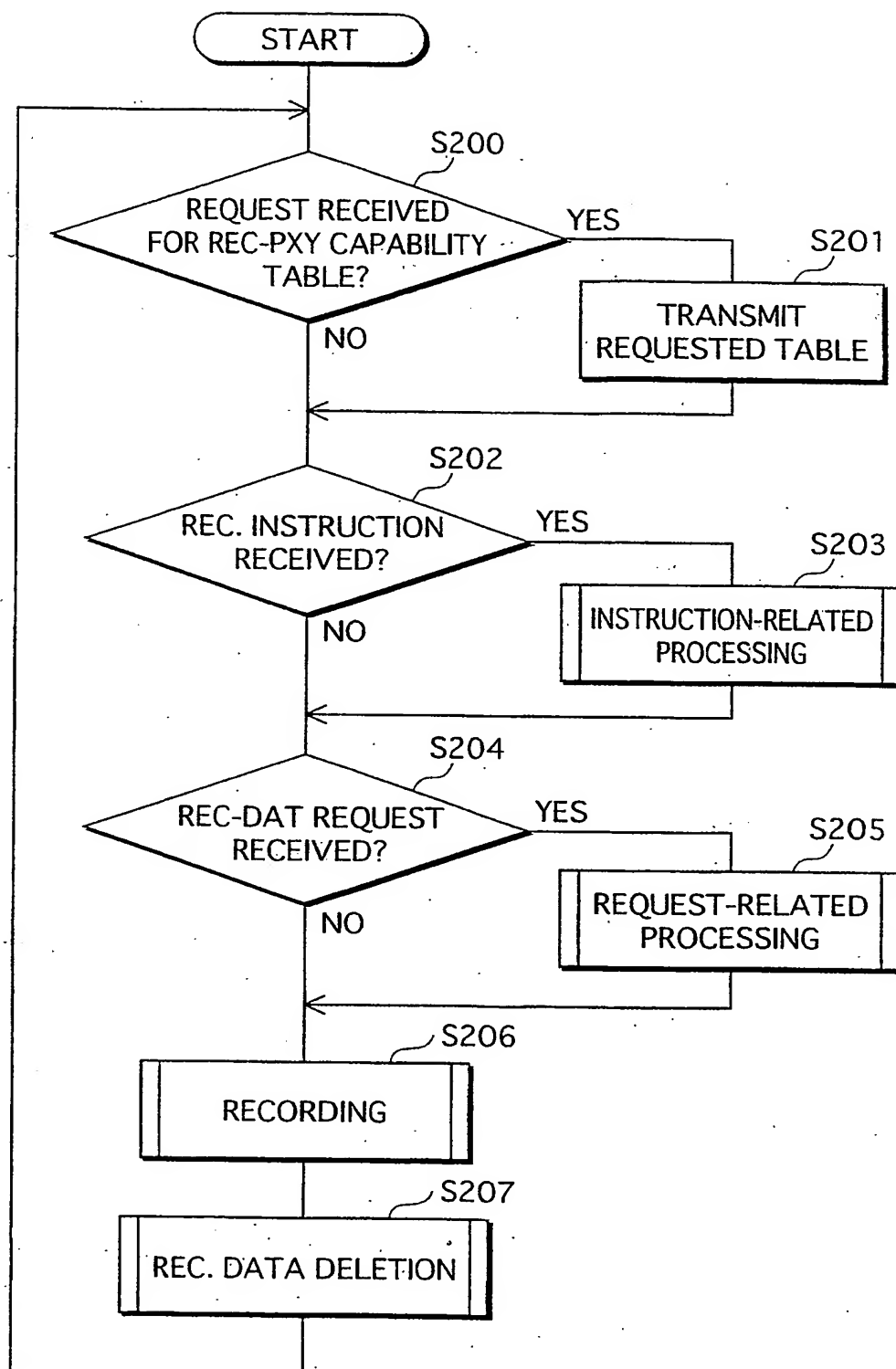


FIG.24

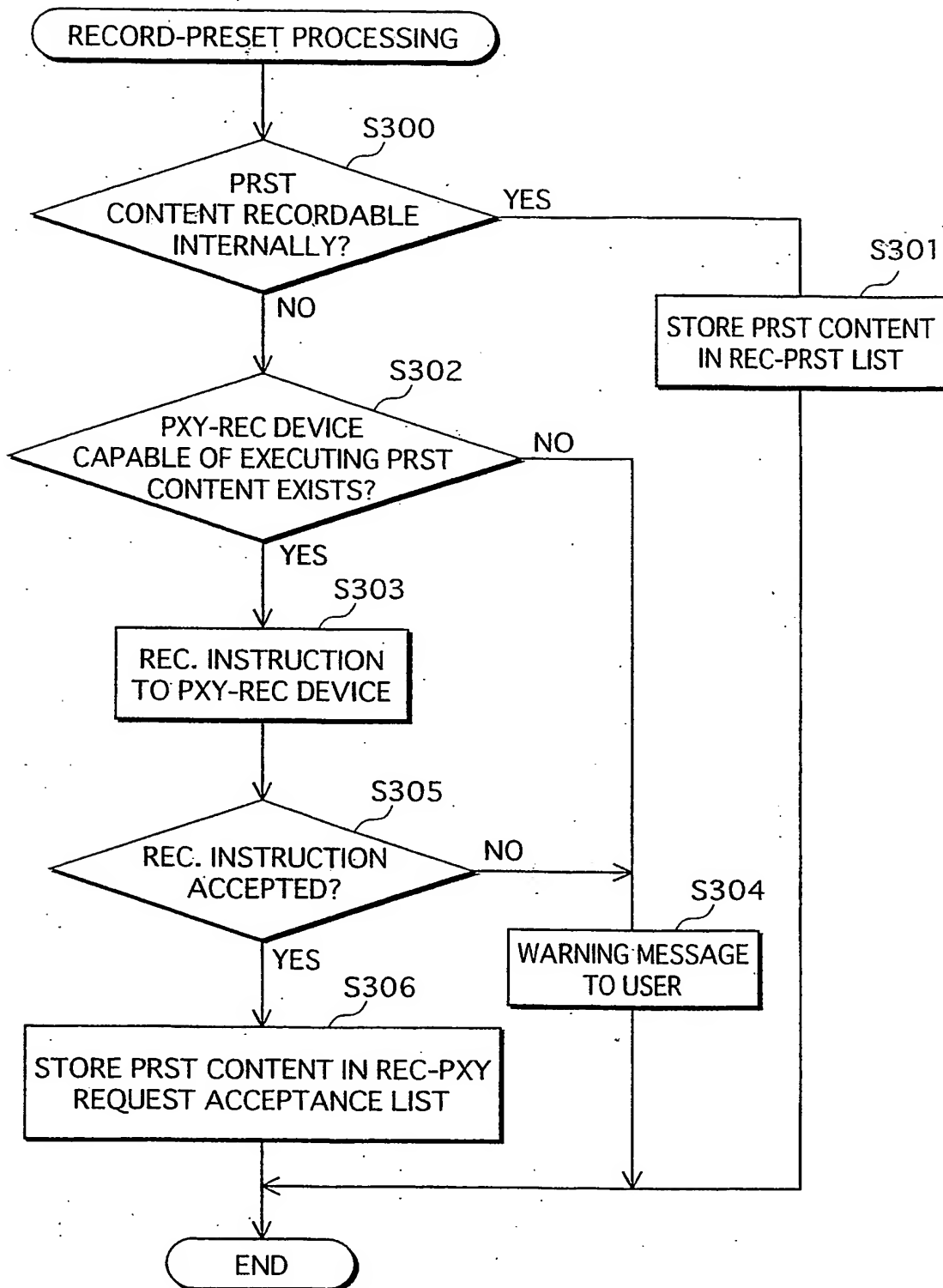


FIG.25

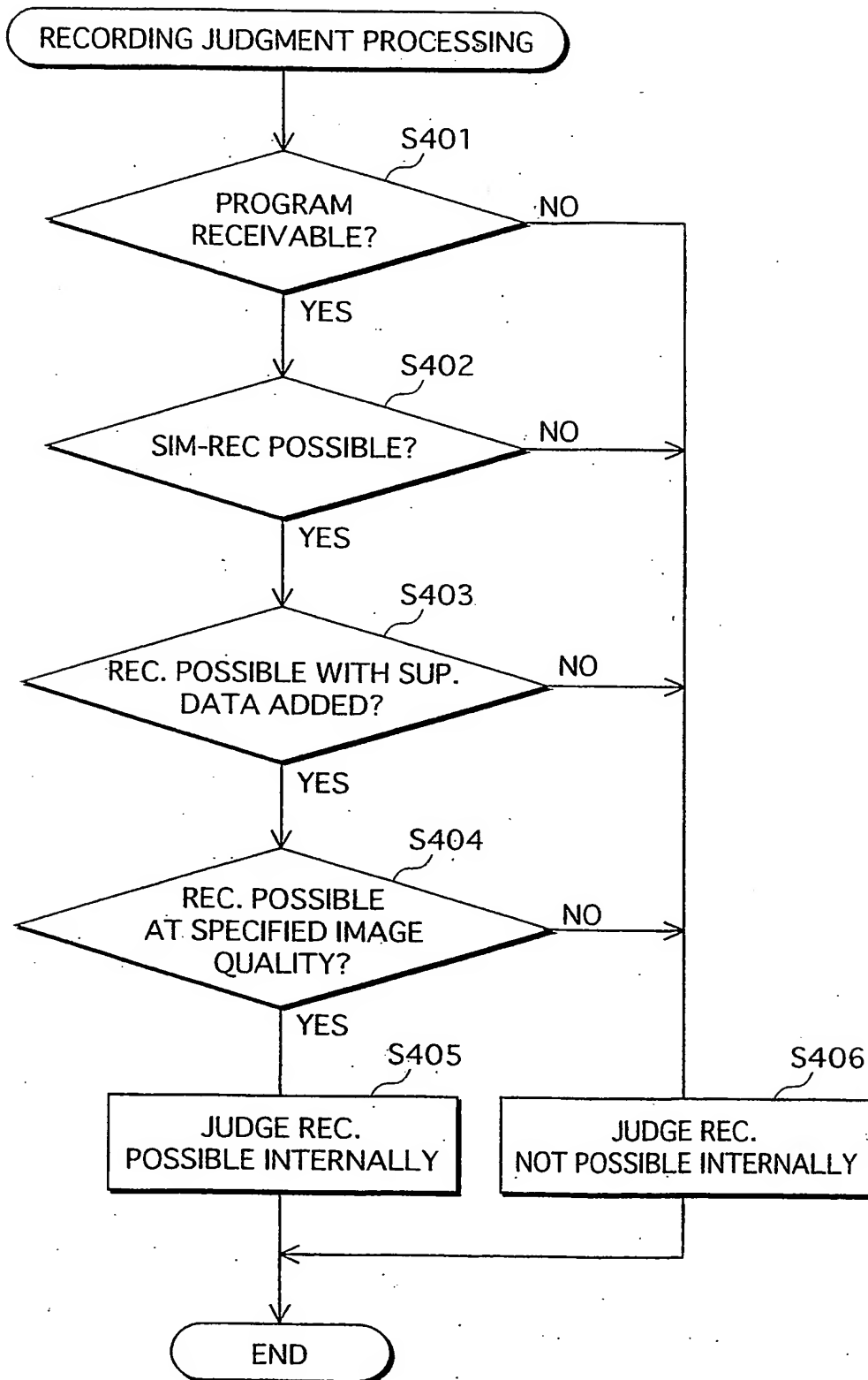


FIG.26

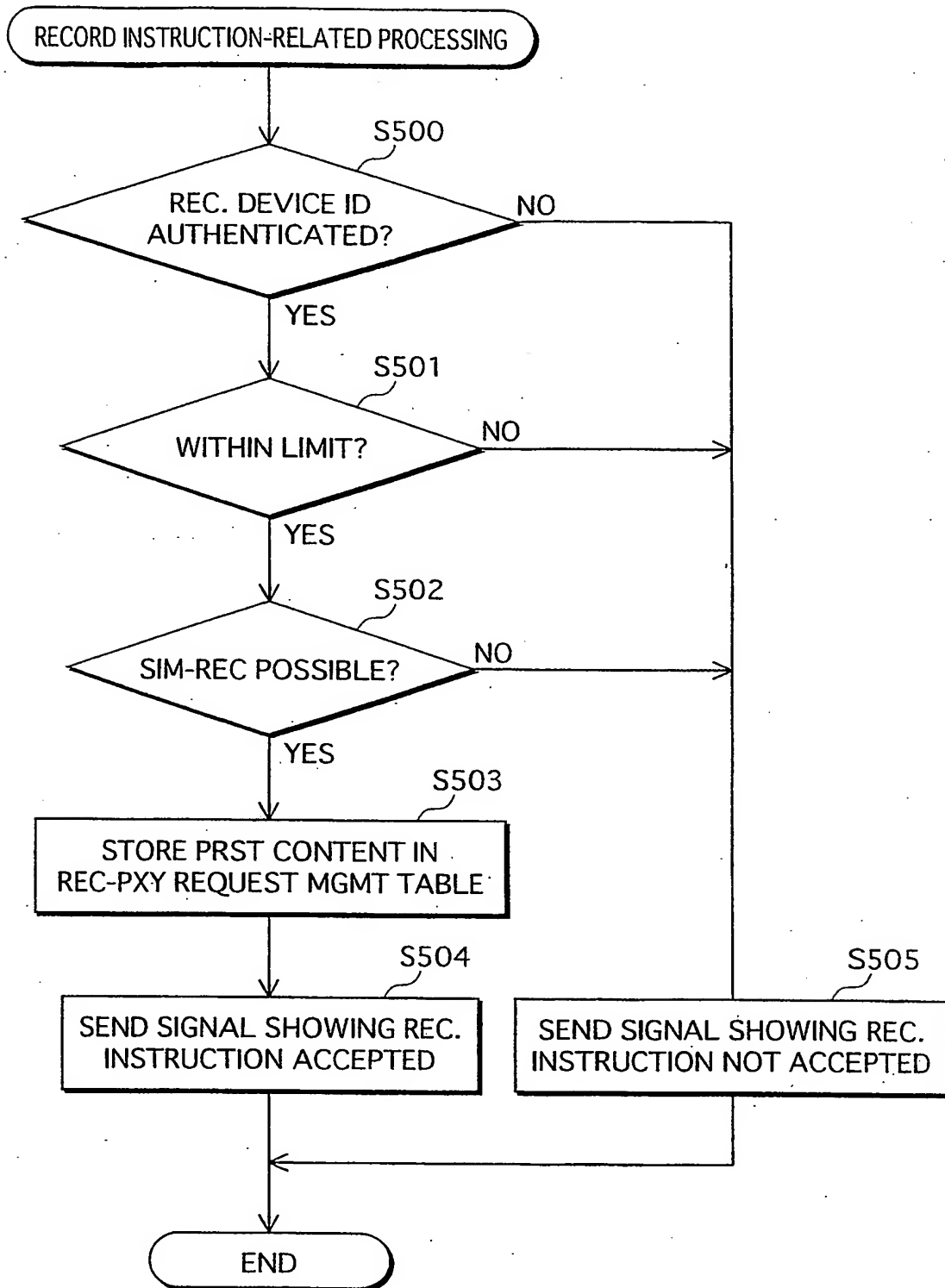


FIG.27

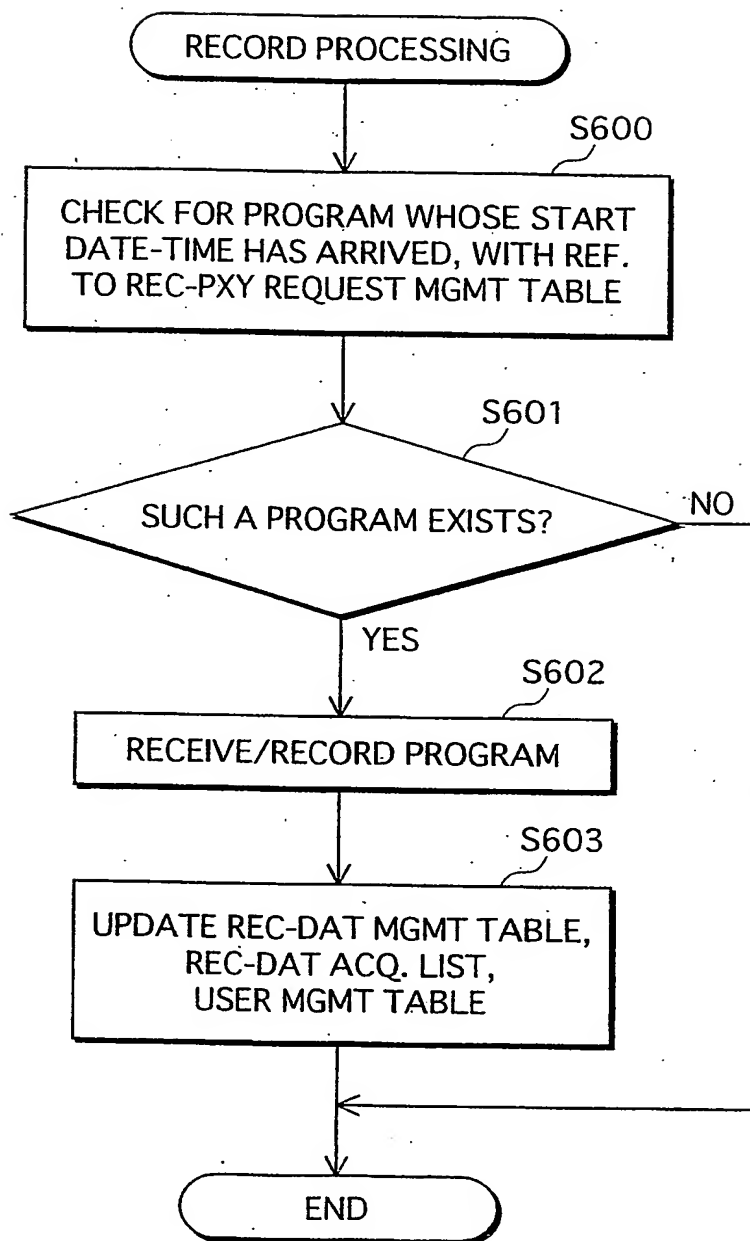


FIG.28

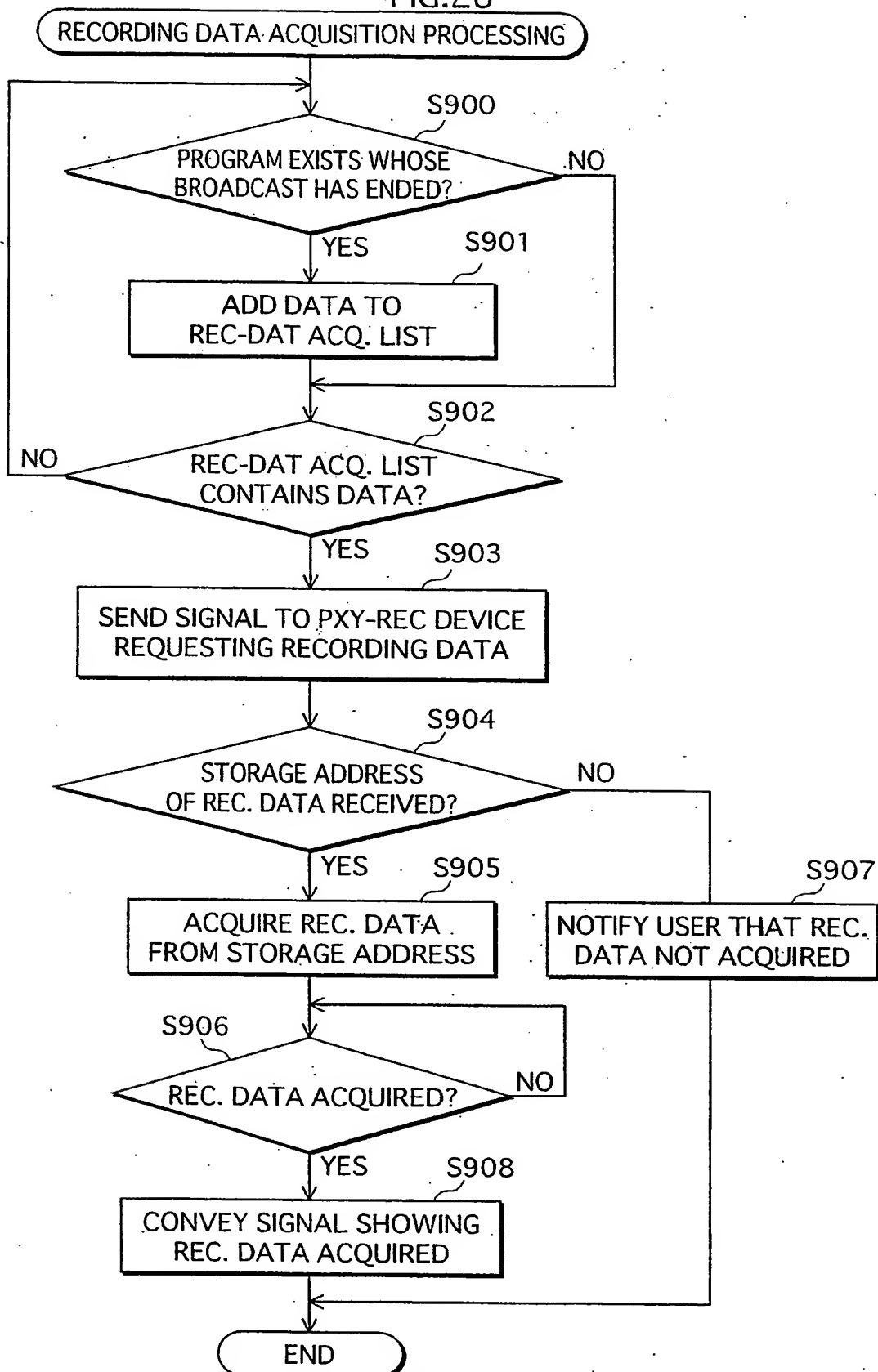


FIG.29

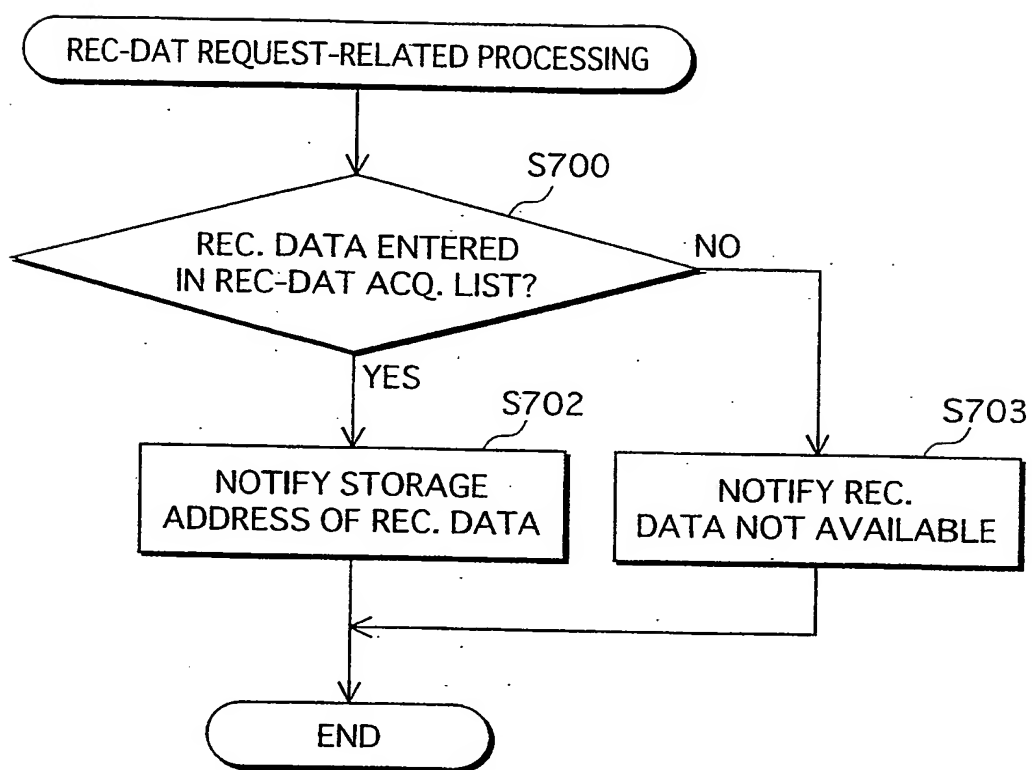


FIG.30

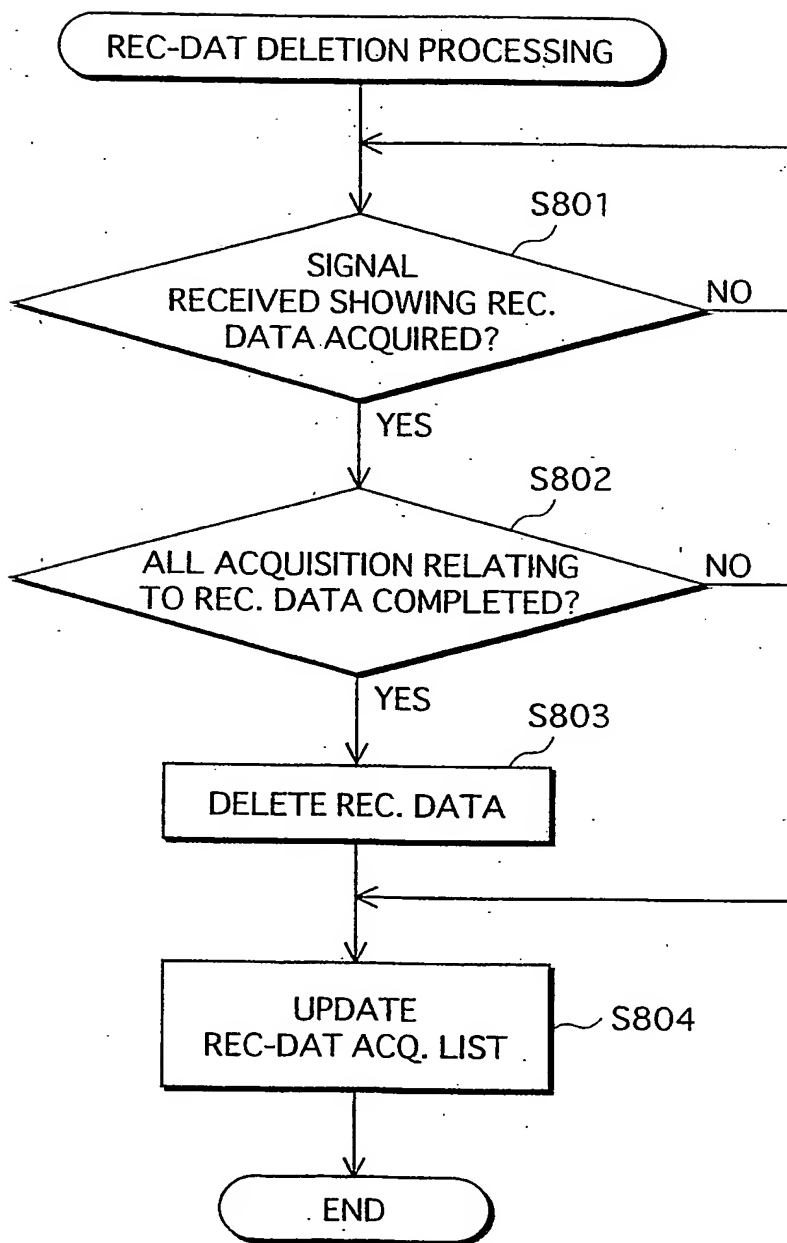
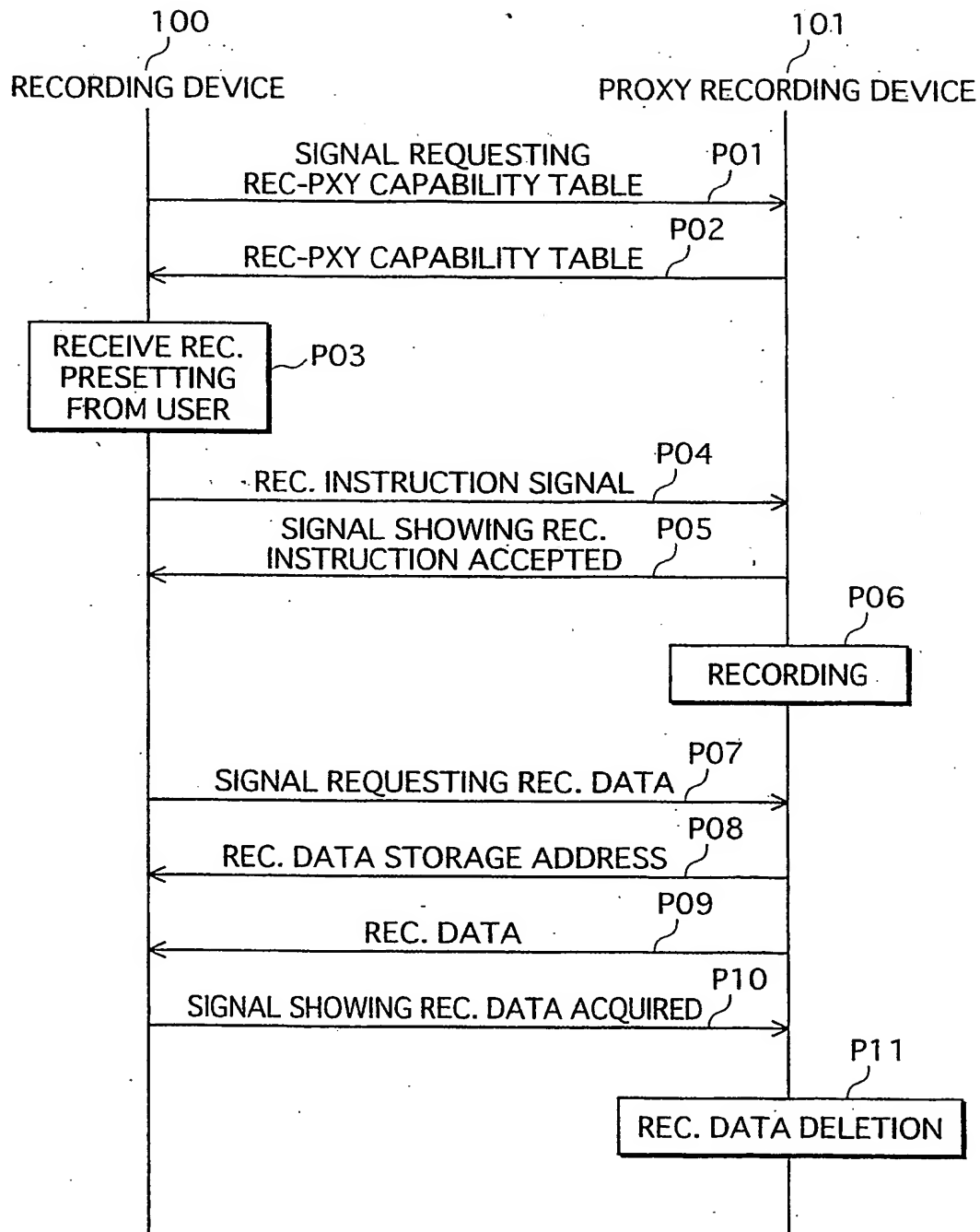


FIG.31



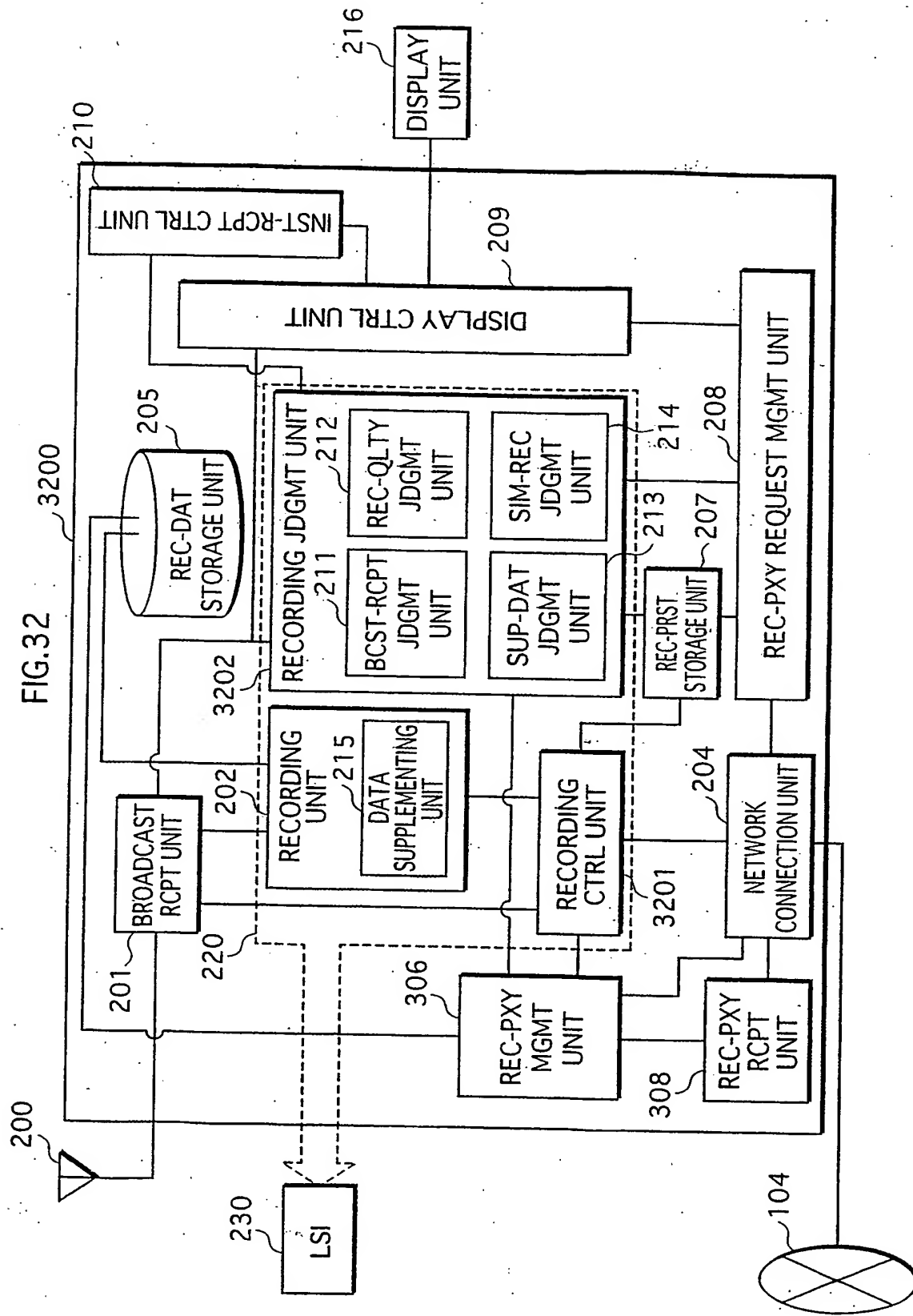


FIG.33

